



PATENT

Attorney Docket No.: 030577

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ramon Eritja and Anna Avino)
)
Serial No.: 10/690,274)
)
Filing Date: October 21, 2003)
)
Entitled: Triplex-Forming Oligonucleotides)
Containing Modified Purines and)
Their Applications)

INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15219
December 29, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the provisions of 37 C.F.R. Sections 1.56, 1.97 and 1.98, Applicants submit the documents listed on the attached PTO/SB/08a and PTO/SB/08b, which they believe may be pertinent to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such. Applicant hereby requests that the Examiner review and make an independent evaluation of the art.

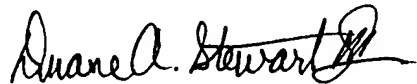
This statement is made solely for the purpose of compliance with the above-identified rules and is not intended to be a substitute for an independent search by the Examiner and no representation of any such nature is made or intended by this statement. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

In accordance with Section 1.97(b)(3), this statement is being submitted before the mailing of the first Office Action on the merits regarding this Application. Additionally, in accordance with Section 1.97 (b)(1), this statement is being submitted within three months of the filing date of the Application.

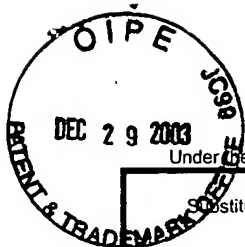
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Also enclosed is a return postcard. Please date stamp and mail the postcard to acknowledge receipt of the above-mentioned correspondence.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Duane A. Stewart III", with a stylized flourish at the end.

Duane A. Stewart III
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/690,274
				Filing Date	October 21, 2003
				First Named Inventor	Eritja, Ramon
				Art Unit	Pending
				Examiner Name	Pending
Sheet	2	of	2	Attorney Docket Number	030577

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AVINO, et al., Properties of triple helices formed by parallel-stranded hairpins containing 8-aminopurines, <i>Nucleic Acids Research</i> , June 2002, Vol. 30, No. 12, pages 2609-2619	
		WESTHOF, E., Sundaralingam, M., "X-ray structure of a cytidyl-3',5' adenosine-proflavine complex: A self-paired parallel-chain double helical dimer with an intercalated acridine dye," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 1980, Vol. 77, p. 1852-1856.	
		CHAN, P.P. and Glazer, P.M. "Triplex DNA: fundamentals, advances and potential applications for gene therapy" 1997 <i>J. Mol. Med.</i> , Vol. 75, p. 267-282.	
		VAZQUEZ, K. and Wilson, J.H. "Triplex-directed modification of genes and gene activity." 1998 <i>TIBS</i> , Vol. 23, p. 4-9.	
		RIPPE, K. and Jovin, T.M. "Parallel-stranded duplex DNA" 1992 <i>Methods in Enzymology</i> Vol. 211, p. 199-220.	
		KAWAI, K., Saito, I. and Sugiyama, H. "Stabilization of Hoogsteen base pairing by introduction of NH ₂ group at the C8 position of adenine". 1998 <i>Tetrahedron Letters</i> . Vol. 39, p. 5221-5224.	
		RAO, T.S., Durland, R.H. and Revankar, G.R. "Synthesis of oligonucleotides containing 7-(2-deoxy-β-D-erythro-pentofuranosyl) guanine and 8-amino-2'-deoxyguanosine" 1994 <i>J. Heterocyclic Chem.</i> Vol. 31, p. 935-940.	
		RIEGER, R.A., Iden, C.R., Gonikberg, E. and Johnson, F. "8-Amino-2'-deoxyguanosine incorporation into oligomeric DNA." 1999 <i>Nucleosides and Nucleotides</i> , Vol. 18 (1), p. 73-88.	
		MANZINI, G., Xodo, L.E. and Gasparotto, D. "Triple helix formation by oligopurine-oligopyrimidine DNA fragments-electrophoretic, and thermodynamic behavior." 1990 <i>J. Mol. Biol.</i> , Vol. 213, p. 833-843.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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ATTORNEY'S DOCKET NO.

030577

IN RE APPLICATION OF:

Ramon Etitja and Anna Avino

Application No.:

10/690,274

International Filing Date:

October 21, 2003

Title:

Triplex-Forming Oligonucleotides Containing Modified Purines
and Their Applications

Group Art Unit

Examiner

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Date of Deposit: December 29, 2003

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